

Title (en)

MACHINE PROVIDED WITH AN OIL PUMP AND A METHOD TO START SUCH A MACHINE.

Title (de)

MASCHINE MIT ÖLPUMPE UND VERFAHREN ZUM STARTEN EINER SOLCHEN MASCHINE

Title (fr)

MACHINE ÉQUIPÉE D'UNE POMPE À HUILE ET PROCÉDÉ DE DÉMARRAGE D'UNE TELLE MACHINE

Publication

EP 3676482 A1 20200708 (EN)

Application

EP 18749566 A 20180717

Priority

- US 201762551323 P 20170829
- BE 201805151 A 20180312
- IB 2018055280 W 20180717

Abstract (en)

[origin: US2020232355A1] Machine provided with a machine element (2) and an oil pump (4) and a motor (3) to drive the machine element (2) and the oil pump (4), whereby the oil pump (4) is provided with a shaft (13) with a rotor (12), whereby the oil pump (4) is provided to pump oil from an oil reservoir (5) via an inlet channel (8) to nozzles that lead into the motor (3) and/or machine element (2) to lubricate and/or cool one or more bearings or other machine components, characterized in that in the inlet channel (8), near the oil pump (4) a dam (16) is provided that is higher than the height (A) of the central axis (18) of the shaft (13) of the oil pump (4) minus the smallest diameter (B) of the rotor (12) of the oil pump (4) divided by two.

IPC 8 full level

F01M 1/12 (2006.01); **F01M 1/02** (2006.01); **F04C 14/06** (2006.01); **F04C 18/16** (2006.01); **F04C 28/08** (2006.01); **F04C 29/02** (2006.01); **F16N 7/40** (2006.01)

CPC (source: EP KR US)

F01M 1/02 (2013.01 - EP KR US); **F01M 1/12** (2013.01 - US); **F04C 2/082** (2013.01 - EP); **F04C 2/102** (2013.01 - EP KR); **F04C 14/06** (2013.01 - EP KR US); **F04C 18/16** (2013.01 - US); **F04C 28/08** (2013.01 - US); **F04C 29/02** (2013.01 - US); **F04C 29/028** (2013.01 - EP); **F04C 29/12** (2013.01 - EP); **F16N 7/40** (2013.01 - US); **F01M 2001/0238** (2013.01 - EP KR); **F04C 2210/206** (2013.01 - EP KR); **F04C 2250/101** (2013.01 - EP KR); **F04C 2270/42** (2013.01 - EP KR)

Citation (search report)

See references of WO 2019043470A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 11506093 B2 20221122; **US 2020232355 A1 20200723**; BE 1025520 A1 20190325; BE 1025520 B1 20190403; BR 112020003936 A2 20200908; EP 3676482 A1 20200708; EP 3676482 B1 20220914; JP 2020531727 A 20201105; JP 7185683 B2 20221207; KR 102541222 B1 20230607; KR 20200042531 A 20200423

DOCDB simple family (application)

US 201816628889 A 20180717; BE 201805151 A 20180312; BR 112020003936 A 20180717; EP 18749566 A 20180717; JP 2020508016 A 20180717; KR 20207009040 A 20180717